

## **CLAIM AMENDMENTS**

### **Claim Amendment Summary**

#### **Claims pending**

- Before this Amendment: Claims 1-27, 29, 31-33 and 35-44.
- After this Amendment: Claims 1-21, 24-27, 29, 31-33 and 35-47.

**Non-Elected, Canceled, or Withdrawn claims:** Claims 22 and 23.

**Amended claims:** Claims 1, 17-19 and 33.

**New claims:** Claims 45-47.

## **Claims:**

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**1. (Currently Amended)** A method comprising:

enumerating local credentials and remote credentials in response to receiving an event notification, wherein the event notification is at least one of the following:

~~a session event;~~

a logon event;

a logout event;

a lock event; and

an unlock event;

~~a timer event;~~

~~a policy application event; and~~

synchronizing the local credentials and remote credentials.

**2. (Original)** The method of claim 1, wherein synchronizing the local credentials and the remote credentials is based on at least one time-stamp associated with the local credentials and at least one time-stamp associated with the remote credentials.

**3. (Original)** The method of claim 1, wherein synchronizing the local credentials and the remote credentials is based on a comparison of hash values.

**4. (Original)** The method of claim 1, wherein synchronizing includes error handling.

**5. (Original)** The method of claim 1, wherein synchronizing includes writing at least one of the local credentials to a remote credential cache.

**6. (Original)** The method of claim 1, wherein synchronizing includes writing at least one of the remote credentials to a local credential cache.

**7. (Original)** The method of claim 1, wherein synchronizing includes deleting at least one of the local credentials from a local credential cache.

**8. (Original)** The method of claim 1, wherein synchronizing includes deleting at least one of the remote credentials from a remote credential cache.

**9. (Original)** The method of claim 1, wherein synchronizing includes modifying at least one of the local credentials at a local credential cache based on at least one of the remote credentials.

**10. (Original)** The method of claim 1, wherein synchronizing includes modifying at least one of the remote credentials at a remote credential cache based on at least one of the local credentials.

**11. (Original)** The method of claim 1, further comprising updating a list of local credentials.

**12. (Original)** The method of claim 1, further comprising updating a list of remote credentials.

**13. (Original)** The method of claim 1, further comprising determining a state of the remote credentials dynamically.

**14. (Original)** The method of claim 1, further comprising maintaining a state file for the remote credentials.

**15. (Original)** The method of claim 1, further comprising maintaining a state file for the local credentials.

**16. (Original)** The method of claim 1, further comprising resolving a conflict of state between the local credentials and the remote credentials.

**17. (Currently Amended)** A computer readable storage media encoded with a computer program for executing on a computer system a computer process, the computer process comprising:

enumerating local credentials and remote credentials in response to receiving an event notification, wherein the event notification comprises ~~is at least one of the following:~~

~~a session event;~~

~~a logon event;~~

~~a logout event;~~

~~a lock event;~~

~~an unlock event;~~

~~a timer event;~~

~~a policy application event; and~~

synchronizing the local credentials and remote credentials via a synchronizing module, wherein the synchronizing module:

sorts the local credentials and the remote credentials into a local credential array and a remote credential array respectively and linearly compares the local credential array and the remote credential array; and

stores a state file for conflict resolution, the state file comprising:

a file version;

a flag, wherein the flag indicates whether the credential is user-protected; and

a credential state, wherein the credential state comprises:

last time synchronization module called;

last time local store changed; and

last time remote cache changed;

removing at least one of the local credentials from a first local credential cache, wherein the credential removed from the first local credential cache is identified and tagged by the synchronization module in a remote credential cache; and

removing the tagged credential from a second local credential cache without rewriting the tagged credential to the remote credential cache.

**18. (Currently Amended)** The ~~computer program product~~ computer readable storage media of claim 17 wherein the computer process further comprises synchronizing the local credentials and the remote credentials is based on at least one time-stamp associated with the local credentials and at least one time-stamp associated with the remote credentials.

**19. (Currently Amended)** The ~~computer program product~~ computer readable storage media of claim 17 wherein the computer process further

comprises synchronizing the local credentials and the remote credentials is based on a comparison of hash values.

**20. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises writing at least one of the local credentials to a remote credential cache.

**21. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises writing at least one of the remote credentials to a local credential cache.

**22. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises removing at least one of the local credentials from a local credential cache.

**23. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises removing at least one of the remote credentials from a remote credential cache.

**24. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises modifying at least one of the local credentials at a local credential cache.

**25. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises modifying at least one of the remote credentials at a remote credential cache.

**26. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises updating the array of local credentials.

**27. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises updating the array of remote credentials.

**28. (Canceled)**

**29. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises determining a state of the remote credentials dynamically.



**30. (Canceled)**

**31. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises error handling.

**32. (Previously Presented)** The computer readable storage media of claim 17 wherein the computer process further comprises resolving a conflict of state between the local credentials and the remote credentials.

**33. (Currently Amended)** A system comprising:

an event handler to receive event notifications; and

a synchronizing module operatively associated with the event handler to synchronize local credentials and remote credentials when the event handler receives an event notification and if the local and remote credentials are different from one another, wherein the event notification is at least one of the following:

~~a session event;~~

a logon event;

a logout event;

a lock event; and

an unlock event;

~~a timer event;~~

~~a policy application event.~~

**34. (Canceled)**

**35. (Original)** The system of claim 33, wherein the credentials include at least one of the following: an encryption credential, a token, an asymmetric key pair, a symmetric key, a digital certificate, an XrML license, an authentication credential, an authorization credential.

**36. (Original)** The system of claim 33, further comprising a local store manager to enumerate the local credentials for the synchronizing module.

**37. (Original)** The system of claim 33, further comprising a remote store manager to enumerate the remote credentials for the synchronizing module.

**38. (Original)** The system of claim 33, wherein the local credentials are stored in a local cache.

**39. (Original)** The system of claim 33, wherein the local credentials are stored in a local cache provided at any number (n) of clients.

**40. (Original)** The system of claim 33, wherein the local credentials are encrypted using a master key.

**41. (Original)** The system of claim 33, wherein the remote credentials are stored in a remote cache.

**42. (Original)** The system of claim 33, wherein the local credentials are stored in a remote cache provided at any number (n) of hosts.

**43. (Original)** The system of claim 33, wherein the remote credentials are maintained by a remote directory service.

**44. (Original)** The system of claim 33, wherein the remote credentials are encrypted.

**45. (New)** The computer readable storage media of claim 17 wherein the event notification comprises a logout event.

**46. (New)** The computer readable storage media of claim 17 wherein the event notification comprises a lock event.

**47. (New)** The computer readable storage media of claim 17 wherein the event notification comprises an unlock event.